

EPOTEC TH 7303

Description

EPOTEC TH 7303 is a low viscosity, low color cycloaliphatic amine curing agent when cured with standard liquid epoxy resins, provide surfaces with high gloss, resistant to various chemicals and abrasion. This can be cure at low temperature and in presence of high humidity also.

Applications

- Self leveling flooring
- High solid / Low VOC coatings
- Tank linings, mortars and grouts

Advantages

- Excellent color and color stability
- Good chemical resistance
- Good resistance to amine blush
- Can cure at low temperature and in humid conditions
- Good abrasion resistance

Typical properties

Property	Test method	Unit	Specification
Appearance	Visual	-	Very low color liquid
Colour	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 1.0
Amine value	TEC-AS-C-058	mgKOH/g	240 - 270
Viscosity* @ 25°C	JIS-K-7233 (86)	cPs	500 - 700

* Brookfield viscosity

Typical application properties

Property	Test method	Unit	Specification
Mixing ratio with standard epoxy resin (EEW = 190 g/eq)	-	By Weight	100 : 60
Mixed viscosity* @ 25°C	JIS-K-7233 (86)	cPs	2,300 - 2,700
Gel time (100 gram mix) @ 25°C	Techne GT-3 Gelation timer	Minutes	35 - 50
Thin film set time @ 25°C	-	Hours	6 - 8

* Brookfield viscosity

Typical performance properties*

Property	Test method	Unit	Specification
Glass transition temperature	ASTM-D-3418 (82)	°C(°F)	min 45 (113)
Tensile strength	ASTM-D-638 (86)	Kg/cm ²	500 - 600
Tensile elongation	ASTM-D-638 (86)	%	2.5 - 3.0
Flexural strength	ASTM-D-790 (86)	Kg/cm ²	750 - 850
Hardness	ASTM-D-2240 (86)	Shore D	80 - 82
Abrasion resistance weight loss (@ 1,000 cycles with wheel no. 10)	ASTM-D-4060 (90)	Grams	-

*Sample cured with standard Bisphenol-A epoxy resin (EEW = 190 g/eq) at 25°C (77°F) for 7 days.

Storage

Store away from excessive heat and humidity, preferably in the original containers kept tightly closed. Under these conditions and at normal temperature, the storage life should be at least one year.

Handling

Please refer to MSDS for safe handling of EPOTEC TH 7303.

Disclaimer

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

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